Title (en)

SECONDARY BATTERY AND METHOD FOR MANUFACTURING SAME

Title (de)

SEKUNDÄRBATTERIE UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

BATTERIE SECONDAIRE ET SON PROCÉDÉ DE FABRICATION

Publication

EP 4033599 A1 20220727 (EN)

Application

EP 20902282 A 20201123

Priority

- KR 20190171204 A 20191219
- KR 2020016614 W 20201123

Abstract (en)

Provided is a secondary battery comprising: an electrode assembly; a battery case which accommodates the electrode assembly; a first electrolyte which is accommodated in the battery case and primarily impregnates the electrode assembly; and a reinforcement electrolyte member which comprises a packaging material and a second electrolyte, wherein the packaging material is accommodated in the battery case and provided with an oxidation part which is oxidized and decomposed at a set voltage, and the second electrolyte is stored in the packaging material, released to the outside of the packaging material due to the decomposition of the oxidation part, and secondarily impregnates the electrode assembly.

IPC 8 full level

H01M 50/60 (2021.01); **H01M 4/04** (2006.01); **H01M 10/04** (2006.01); **H01M 10/44** (2006.01); **H01M 50/10** (2021.01)

CPC (source: CN EP KR US)

H01M 4/04 (2013.01 - KR); **H01M 4/0447** (2013.01 - KR); **H01M 10/04** (2013.01 - CN KR); **H01M 10/049** (2013.01 - KR US); **H01M 10/0566** (2013.01 - EP); **H01M 10/4235** (2013.01 - CN); **H01M 10/4242** (2013.01 - EP); **H01M 10/44** (2013.01 - KR US); **H01M 10/446** (2013.01 - CN KR); **H01M 50/10** (2021.01 - CN KR); **H01M 50/105** (2021.01 - US); **H01M 50/116** (2021.01 - KR); **H01M 50/124** (2021.01 - KR); **H01M 50/178** (2021.01 - US); **H01M 50/60** (2021.01 - CN KR); **H01M 50/636** (2021.01 - US); **H01M 50/682** (2021.01 - EP); Y02E 60/10 (2013.01 - EP KR); Y02P 70/50 (2015.11 - EP KR)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 4033599 A1 20220727; **EP 4033599 A4 20230621**; CN 114556666 A 20220527; CN 114556666 B 20240209; JP 2022551903 A 20221214; KR 20210079084 A 20210629; US 2022384924 A1 20221201; WO 2021125591 A1 20210624

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